

INTERNATIONAL
STANDARD

ISO
19115-1

First edition
2014-04-01

AMENDMENT 2
2020-11

**Geographic information —
Metadata —**

**Part 1:
Fundamentals**

AMENDMENT 2

Information géographique — Métadonnées —

Partie 1: Principes de base

AMENDEMENT 2

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Reference number
ISO 19115-1:2014/Amd.2:2020(E)

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Published in Switzerland

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Geographic information — Metadata —

Part 1: Fundamentals

AMENDMENT 2

Normative references

Replace the following normative references:

ISO 19111:2007, *Geographic information — Spatial referencing by coordinates*

ISO 19111-2:2009, *Geographic information — Spatial referencing by coordinates — Part 2: Extension for parametric values*

with:

ISO 19111, *Geographic information — Referencing by coordinates*

Replace all references to ISO 19111:2007 and ISO 19111-2:2009 throughout the document with ISO 19111.

Figure 12

Replace Figure 12 with the following figure:

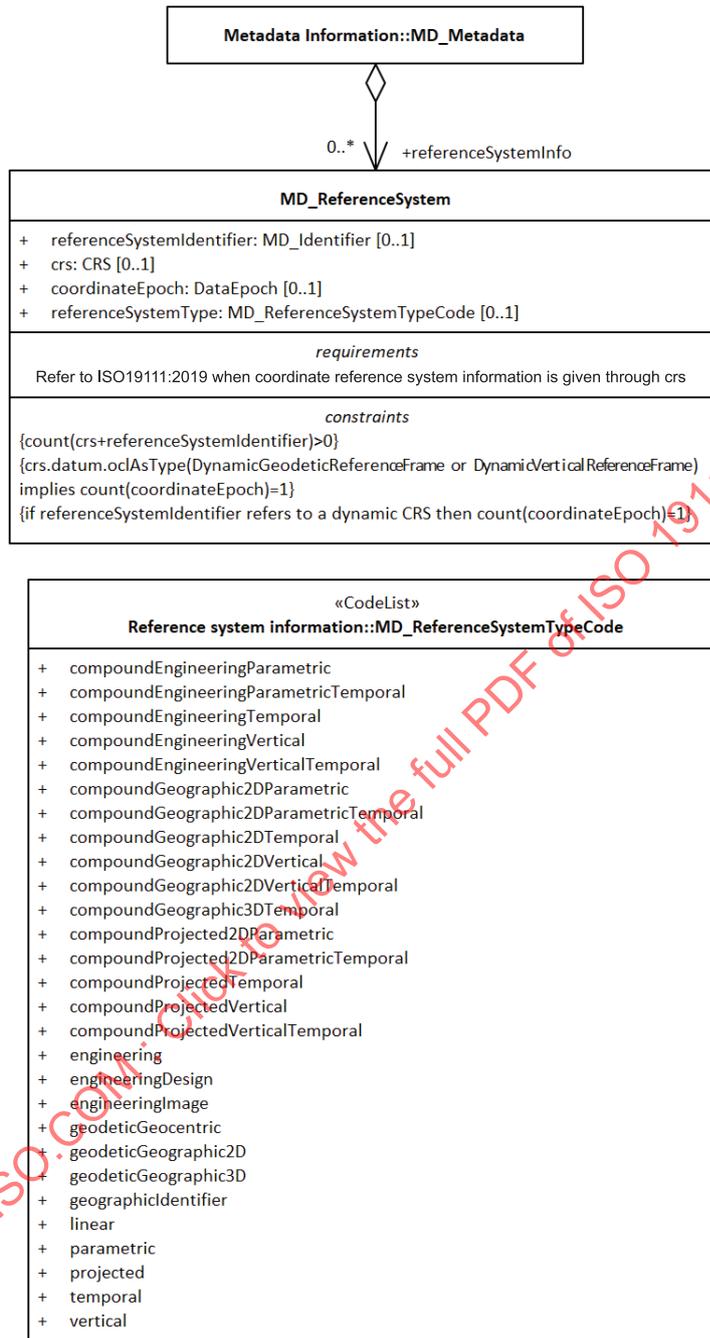


Figure 12 — Reference system information classes

B.1, Table B.8

Replace [Table B.8](#) with the following:

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Table B.8 — Reference system information (includes identifier and type)

Name / Role Name	Definition	Obligation / Condition	Maximum occurrence	Data type	Domain
179 MD_ReferenceSystem	information about the reference system	Use obligation / condition from referencing object	Use maximum occurrence from referencing object	Aggregated class (MD_Metadata)	Lines 180-181
180 referenceSystemIdentifier	identifier and codespace for reference system EXAMPLE: EPSG::4326	C / At least one of referenceSystemIdentifier or crs is required.	1	Class	MD_Identifier (Table B.17.2)
180a crs	full description of the coordinate reference system to which a coordinate set is referenced	C / At least one of referenceSystemIdentifier or crs is required.	1	Class	CRS (B.2.10)
180b coordinateEpoch	epoch to which coordinates in a dynamic coordinate reference system are referenced EXAMPLE: 2019.71	C / Required if the CRS is dynamic.	1	Class	DataEpoch (B.2.10)
181 referenceSystemType	type of reference system used EXAMPLE: compoundGeographic2DParametric	0	1	Class	MD_ReferenceSystemTypeCode (B.3.26)

NOTE: The UML model for this table is shown in [Figure 12](#).

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